

**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

ATTORNEY DOCKET NO. 10992072-1

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**III- Nitride Light-Emitting Device With Increased Light Generating Capability**

the specification of which is attached hereto unless the following box is checked:

( ) was filed on \_\_\_\_\_ as US Application Serial No. or PCT International Application Number \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

**Foreign Application(s) and/or Claim of Foreign Priority**

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: _____ NO: _____
			YES: _____ NO: _____

**Provisional Application**

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE

**U. S. Priority Claim**

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS (patented/pending/abandoned)

**POWER OF ATTORNEY:**

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Customer Number 022878

Place Customer  
Number Bar Code  
Label here

Send Correspondence to:  
AGILENT TECHNOLOGIES  
Legal Department, 51UPD  
Intellectual Property Administration  
P.O. Box 58043  
Santa Clara, California 95052-8043

**Direct Telephone Calls To:**

Pamela Lau Kee  
(408) 553-3059

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Michael R Krames

Citizenship: US

Residence: 550 Front Lane Mt View CA 94041

Post Office Address: Same as residence

Michael R. Krames  
Inventor's Signature

Date 12/22/99

DECLARATION AND OATH OF INVENTOR  
FOR PATENT APPLICATION (continued)

Full Name of # 2 joint inventor: Daniel A. Steigerwald Citizenship: US

Residence: 10430-B Lockwood Dr Cupertino CA 95014

Post Office Address: Same as residence

Inventor's Signature: [Signature] Date: 24 Feb '00

Full Name of # 3 joint inventor: Fred A. Kish, Jr. Citizenship: US

Residence: 5815 Newgate Court San Jose CA 95138

Post Office Address: Same as residence

Inventor's Signature: [Signature] Date: March 30, 2000

Full Name of # 4 joint inventor: Pradeep Rajkomar Citizenship: US

Residence: 4150 Normandale Drive San Jose CA 95118

Post Office Address: Same as residence

Inventor's Signature: [Signature] Date: 12-22-99

Full Name of # 5 joint inventor: Jonathan J. Wierer Jr. Citizenship: US

Residence: 880 E. Fremont Avenue Apt 204 Sunnyvale, CA 94087 4211 Norwalk Dr. Apt CC210 San Jose, CA 95129

Post Office Address: Same as residence

Inventor's Signature: [Signature] Date: 22 Dec '99

Full Name of # 6 joint inventor: Tun S Tan Citizenship: US

Residence: 13910 Page Mill Road Los Altos Hills CA 94022

Post Office Address: Same as residence

Inventor's Signature: [Signature] Date: Dec-22-1999

Full Name of # 7 joint inventor: \_\_\_\_\_ Citizenship: \_\_\_\_\_

Residence: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of # 8 joint inventor: \_\_\_\_\_ Citizenship: \_\_\_\_\_

Residence: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Kish Jr., Fred A.; Krames, Michael R.; Rajkomar, Pradeep; Steigerwald, Daniel A.; Tan, Tun S.; Wierer Jr., Jonathan J.  
Assignee: Lumileds Lighting U.S., LLC  
Title: III-Nitride Light-Emitting Device With Increased Light Generating Capability  
Serial No.: 09/469,657 Filing Date: December 22, 1999  
Examiner: Unknown Group Art Unit: 2811  
Docket No.: 10992072-1  
(M-9152 US)

COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST**

Sir:

The above-identified assignee hereby revokes all powers of attorney previously given and appoints hereby the following attorney(s) and/or agent(s) to prosecute the above-identified application and to transact all business in the United States Patent and Trademark Office in connection therewith:

Alan H. MacPherson (24,423); Brian D. Ogonowsky (31,988); David W. Heid (25,875); Norman R. Klivans (33,003); Edward C. Kwok (33,938); David E. Steuber (25,557); Michael Shenker (34,250); Stephen A. Terrile (32,946); Peter H. Kang (40,350); Ronald J. Meetin (29,089); Ken John Koestner (33,004); Omkar K. Suryadevara (36,320); David T. Millers (37,396); Michael P. Adams (34,763); Robert B. Morrill (43,817); James E. Parsons (34,691); Philip W. Woo (39,880); Emily Haliday (38,903); Tom Hunter (38,498); Michael J. Halbert (40,633); Gary J. Edwards (41,008); Daniel P. Stewart (41,332); Tom Chen (42,406); Fabio E. Marino (43,339); Don C. Lawrence (31,975); Marc R. Ascolese (42,268); Carmen C. Cook (42,433); David G. Dolezal (41,711); Roberta P. Saxon (43,087); Mary Jo Bertani (42,321); Dale R. Cook (42,434); Sam G. Campbell (42,381); Matthew J. Brigham (44,047); Shireen Irani Bacon (40,494); Rory G. Bens (44,028); George Wolken, Jr. (30,441); John A. Odozynski (28,769); Paul E. Lewkowicz (44,870); Theodore P. Lopez (44,881); Eric Stephenson (38,321); Christopher Allenby (45,906); David C. Hsia (46,235); Mark J. Rozman (42,117); Margaret M. Kelton (44,182); Do Te Kim (46,231); Alex Chen (45,591); Monique M. Heyninck (44,763); Gregory J. Michelson (44,940); Jonathan Geld (44,702); Emmanuel Rivera (45,760); Jason FarHadian (42,523); Matthew J. Spark (43,453); Elaine H. Lo (41,158); Jon Hallman (42,622); Robert Strawbrich (36,692); Rita M. Wisor (41,382); Gregory Powell (47,005); Mark E. Schmidt (47,063); and Rachel V. Leiterman (46,868).

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**ASSIGNEE CERTIFICATION UNDER 37 CFR 3.73(B)**


The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title and interest in the above-identified patent application by virtue of a chain of title from the inventor(s) of the above-identified patent application to the above-identified assignee as shown below:

1. From: Kish Jr., Fred A.; Krames, Michael R.; Rajkomar, Pradeep; Steigerwald, Daniel A.; Tan, Tun S.; Wierer Jr., Jonathan J. To: LumiLeds Lighting U.S., LLC. The document was submitted to the Patent and Trademark Office for recordation on April 1, 2000. A copy of the document is attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

Dated: 3/10/2000

LumiLeds Lighting U.S., LLC

By: 

Name: Steve Paolini

Title: Intellectual Property Manager

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